Emulation Components and System

Including Distributed Event Monitoring and Testing

Of An IC Design Under Emulation

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ABSTRACT OF THE DISCLOSURE

Data processing resources are distributively provided to an emulation system
to locally and correspondingly generate testing stimuli, and applying the generated
testing stimuli to partitions of an IC design to be emulated. In one embodiment, the

10 distributed data processing resources further locally and correspondingly retrieve
state data of emulation state circuit elements, analyze the retrieved state data for
one or more events, and report the one or more events upon their detection. In one
embodiment, the distributed data processing resources are disposed on logic
boards of an emulation system. In other embodiments, at least some of the

15 distributed data processing resources are disposed on the emulation ICs of the logic
boards.